

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/562,408
Source: IFWP
Date Processed by STIC: 1/9/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 01/09/2006

PATENT APPLICATION: US/10/562,408

TIME: 11:33:50

Input Set : A:\50026.057001.txt

Output Set: N:\CRF4\01092006\J562408.raw

3 <110> APPLICANT: You, Jun
 4 IIDA, Akihiro
 5 Hasegawa, Mamoru
 7 <120> TITLE OF INVENTION: Minus Strand RNA Virus Vector Carrying Gene
 Modified In High
 8 Mutation Region
 10 <130> FILE REFERENCE: 50026/057001
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/562,408
 C--> 12 <141> CURRENT FILING DATE: 2005-12-23
 12 <150> PRIOR APPLICATION NUMBER: PCT/JP04/009617
 13 <151> PRIOR FILING DATE: 2004-06-30
 15 <150> PRIOR APPLICATION NUMBER: JP 2003-187312
 16 <151> PRIOR FILING DATE: 2003-06-30
 18 <160> NUMBER OF SEQ ID NOS: 110
 20 <170> SOFTWARE: PatentIn version 3.3
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 10
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Artificial
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: a mutagenic sequence for minus strand RNA virus
 30 <400> SEQUENCE: 1
 31 agaaaaacyy 10
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 11
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Artificial
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: a mutagenic sequence for minus strand RNA viruses
 42 <400> SEQUENCE: 2
 43 agaaaaacy y 11
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 10
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Artificial
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: a mutagenic sequence for minus strand RNA viruses
 54 <400> SEQUENCE: 3
 55 agaaaaactt 10
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 11
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Artificial
 63 <220> FEATURE:

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64 <223> OTHER INFORMATION: a mutagenic sequence for minus strand RNA viruses
66 <400> SEQUENCE: 4
67 agaaaaaact t 11
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 12
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial
75 <220> FEATURE:
76 <223> OTHER INFORMATION: an example of E sequence of Sendai virus
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (2)..(2)
82 <223> OTHER INFORMATION: "n" at location 2 stands for any of a, g, c, or t
84 <400> SEQUENCE: 5
W--> 85 antaagaaaa ac 12
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 10
90 <212> TYPE: RNA
91 <213> ORGANISM: Artificial
93 <220> FEATURE:
94 <223> OTHER INFORMATION: an example of S sequence of Sendai virus
96 <400> SEQUENCE: 6
97 cwuuvwcccu 10
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 10
102 <212> TYPE: RNA
103 <213> ORGANISM: Artificial
105 <220> FEATURE:
106 <223> OTHER INFORMATION: an example of S sequence of Sendai virus
108 <400> SEQUENCE: 7
109 cuuugacccu 10
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 10
114 <212> TYPE: RNA
115 <213> ORGANISM: Artificial
117 <220> FEATURE:
118 <223> OTHER INFORMATION: an example of S sequence of Sendai virus
120 <400> SEQUENCE: 8
121 cauucacccu 10
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 10
126 <212> TYPE: RNA
127 <213> ORGANISM: Artificial
129 <220> FEATURE:
130 <223> OTHER INFORMATION: an example of S sequence of Sendai virus
132 <400> SEQUENCE: 9
133 cuuucacccu 10
136 <210> SEQ ID NO: 10
137 <211> LENGTH: 10

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138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial
141 <220> FEATURE:
142 <223> OTHER INFORMATION: an example of S sequence of Sendai virus
144 <400> SEQUENCE: 10
145 aggggtcaaag 10
148 <210> SEQ ID NO: 11
149 <211> LENGTH: 10
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial
153 <220> FEATURE:
154 <223> OTHER INFORMATION: an example of S sequence of Sendai virus
156 <400> SEQUENCE: 11
157 aggggtgaatg 10
160 <210> SEQ ID NO: 12
161 <211> LENGTH: 10
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial
165 <220> FEATURE:
166 <223> OTHER INFORMATION: an example of S sequence of Sendai virus
168 <400> SEQUENCE: 12
169 aggggtgaaaag 10
172 <210> SEQ ID NO: 13
173 <211> LENGTH: 9
174 <212> TYPE: RNA
175 <213> ORGANISM: Artificial
177 <220> FEATURE:
178 <223> OTHER INFORMATION: an example of E sequence of Sendai virus
180 <400> SEQUENCE: 13
181 uuuuucuaa 9
184 <210> SEQ ID NO: 14
185 <211> LENGTH: 9
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: an example of E sequence of Sendai virus
192 <400> SEQUENCE: 14
193 taagaaaaa 9
196 <210> SEQ ID NO: 15
197 <211> LENGTH: 10
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial
201 <220> FEATURE:
202 <223> OTHER INFORMATION: an example of S sequence of Sendai virus
204 <400> SEQUENCE: 15
205 ctttcaccct 10
208 <210> SEQ ID NO: 16
209 <211> LENGTH: 15
210 <212> TYPE: DNA

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```

211 <213> ORGANISM: Artificial
213 <220> FEATURE:
214 <223> OTHER INFORMATION: an example of E sequence of Sendai virus
216 <400> SEQUENCE: 16
217 tttttcttac tacgg                                     15
220 <210> SEQ ID NO: 17
221 <211> LENGTH: 18
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: an artificially synthesized linker sequence
228 <400> SEQUENCE: 17
229 atgcatgccg gcagatga                                   18
232 <210> SEQ ID NO: 18
233 <211> LENGTH: 18
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <223> OTHER INFORMATION: an artificially synthesized primer sequence
240 <400> SEQUENCE: 18
241 gttgagtact gcaagagc                                   18
244 <210> SEQ ID NO: 19
245 <211> LENGTH: 42
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial
249 <220> FEATURE:
250 <223> OTHER INFORMATION: an artificially synthesized primer sequence
252 <400> SEQUENCE: 19
253 ttgcccggca tgcattttc ccaaggggag agttttgcaa cc       42
256 <210> SEQ ID NO: 20
257 <211> LENGTH: 18
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial
261 <220> FEATURE:
262 <223> OTHER INFORMATION: an artificially synthesized primer sequence
264 <400> SEQUENCE: 20
265 atgcatgccg gcagatga                                   18
268 <210> SEQ ID NO: 21
269 <211> LENGTH: 21
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <223> OTHER INFORMATION: an artificially synthesized primer sequence
276 <400> SEQUENCE: 21
277 tgggtgaatg agagaatcag c                               21
280 <210> SEQ ID NO: 22
281 <211> LENGTH: 51
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial

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```

285 <220> FEATURE:
286 <223> OTHER INFORMATION: an artificially synthesized primer sequence
288 <400> SEQUENCE: 22
289 acttgcggcc gccaaagttc aatgcagagg tcgcctctgg aaaaggccag c          51
292 <210> SEQ ID NO: 23
293 <211> LENGTH: 76
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial
297 <220> FEATURE:
298 <223> OTHER INFORMATION: an artificially synthesized primer sequence
300 <400> SEQUENCE: 23
301 atccgcggcc gcgatgaact ttcaccctaa gtttttctta ctacggctaa agccttgat      60
303 cttgcacctc ttcttc                                                    76
306 <210> SEQ ID NO: 24
307 <211> LENGTH: 24
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial
311 <220> FEATURE:
312 <223> OTHER INFORMATION: an artificially synthesized primer sequence
314 <400> SEQUENCE: 24
315 tcacgcggcc gccaaagttc aatg                                          24
318 <210> SEQ ID NO: 25
319 <211> LENGTH: 24
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial
323 <220> FEATURE:
324 <223> OTHER INFORMATION: an artificially synthesized primer sequence
326 <400> SEQUENCE: 25
327 atctgcggcc gcgatgaact ttca                                          24
330 <210> SEQ ID NO: 26
331 <211> LENGTH: 24
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial
335 <220> FEATURE:
336 <223> OTHER INFORMATION: an artificially synthesized primer sequence
338 <400> SEQUENCE: 26
339 taacaatagg aagacctcta atgg                                          24
342 <210> SEQ ID NO: 27
343 <211> LENGTH: 24
344 <212> TYPE: DNA
345 <213> ORGANISM: Artificial
347 <220> FEATURE:
348 <223> OTHER INFORMATION: an artificially synthesized primer sequence
350 <400> SEQUENCE: 27
351 ccattagagg tcttcctatt gtta                                          24
354 <210> SEQ ID NO: 28
355 <211> LENGTH: 24
356 <212> TYPE: DNA
357 <213> ORGANISM: Artificial

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/562,408

DATE: 01/09/2006
TIME: 11:33:51

Input Set : A:\50026.057001.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 2
Seq#:59; N Pos. 10
Seq#:66; N Pos. 5

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,57,58
Seq#:59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82
Seq#:83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104
Seq#:105,106,107,108,109,110

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/562,408

DATE: 01/09/2006

TIME: 11:33:51

Input Set : A:\50026.057001.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0

L:720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0

L:810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0